**HYDRAULIC EXCAVATOR**

**HB365LC-3**
**HB365NLC-3**

*EU Stage V Engine*

**Engine Power**
202 kW / 271 HP @ 1.950 rpm

**Operating Weight**
- HB365LC-3: 36.400 - 37.350 kg
- HB365NLC-3: 36.300 - 37.060 kg

**Bucket Capacity**
max. 2.66 m³
Walk-Around

HB365LC/NLC-3

ENGINE POWER
202 kW / 271 HP @ 1,950 rpm

OPERATING WEIGHT
HB365LC-3: 36.400 - 37.350 kg
HB365NLC-3: 36.300 - 37.060 kg

BUCKET CAPACITY
max. 2.66 m³
OUTSTANDING PRODUCTIVITY & FUEL ECONOMY

Powerful and Environmentally Friendly
• EU Stage V engine
• Adjustable idle shutdown
• Komatsu Hybrid fuel-saving technology

First-Class Comfort
• Fully air-suspended operator station
• Ultra low noise level
• Widescreen monitor

Safety First
• Komatsu SpaceCab™
• Improved camera system
• KomVision surround view system (option)
• Neutral position detection system

Improved Komatsu Hybrid System
• Proven technology
• Reliable and durable hybrid system components
• Electric swing to capture and regenerate energy
• Massive reduction in fuel consumption & emissions
• Increased productivity

Maximised Efficiency
• Increased productivity
• Built-in versatility and superior productivity
• Enhanced engine management
• Improved hydraulic efficiency

Quality You Can Rely On
• Komatsu-quality components
• Extensive dealer support network
• Maintenance free Hybrid components with a 5 years /10,000 hrs warranty

KOMTRAX
• Komatsu Wireless Monitoring System
• 3G mobile communications
• Integrated communication antenna
• Increased operational data and reports

Fuel consumption

Based on typical work pattern collected via KOMTRAX

Reduced by 30% / 22% / 20%
(vs. PC350-8)  (vs. PC360-10)  (vs. PC360-11)

A maintenance program for Komatsu customers

Images may display optional equipment or specifications not available in your area.
Powerful and Environmentally Friendly

Higher productivity
The HB365LC/NLC-3 is quick and precise. It features a powerful Komatsu EU Stage V engine, Komatsu’s Closed Center Load Sensing (CLSS) hydraulic system and first-class Komatsu comfort to provide a fast response and unrivaled productivity for its class.

Komatsu fuel-saving technology
Fuel consumption on the HB365LC/NLC-3 is lower by up to 30%. Engine management is enhanced. The optimal speed matching of the engine and hydraulic pumps guarantee efficiency and precision during single and combined movements.

Adjustable idle shutdown
The Komatsu auto idle shutdown automatically turns off the engine after it idles for a set period of time. This feature can easily be programmed from 5 to 60 minutes, to reduce unnecessary fuel consumption and exhaust emissions, and to lower operating costs. An Eco-gauge and the Eco guidance tips on the cab monitor further encourage efficient operations.
Powerful and Environmentally Friendly

Komatsu EU Stage V

The Komatsu EU Stage V engine is productive, dependable and efficient. With ultra-low emissions, it provides a lower environmental impact and a superior performance to help reduce operating costs and lets the operator work in complete peace of mind.

Heavy-duty aftertreatment

The aftertreatment system combines a Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR). The SCR injects the correct amount of AdBlue® into the system at the proper rate to break down NOx into water (H₂O) and non-toxic nitrogen gas (N₂). NOx emissions are reduced by 80% vs. EU Stage V engines.

Exhaust Gas Recirculation (EGR)

Cooled EGR is a technology well-proven in current Komatsu engines. The increased capacity of the EGR cooler now ensures very low NOx emissions and a better engine performance.

High-Pressure Common Rail (HPCR)

To achieve complete fuel burn and lower exhaust emissions, the heavy-duty High-Pressure Common Rail fuel injection system is computer controlled to deliver a precise quantity of pressurised fuel into the redesigned engine combustion chamber by multiple injections.

Komatsu Closed Crankcase Ventilation (KCCV)

Crankcase emissions (blow-by gas) are passed through a CCV filter. The oil mist trapped in the filter is returned back to the crankcase while the filtered gas is returned to the air intake.

Variable Geometry Turbo (VGT)

The VGT provides optimal airflow to the engine combustion chamber under all speed and load conditions. Exhaust gas is cleaner, fuel economy is improved while machine power and performance are maintained.

Eco-gauge, Eco guidance and fuel consumption gauge

ECO guidance record

Fuel consumption history
The Komatsu hybrid system

In Komatsu’s unique hybrid system, the electric swing motor-generator captures and regenerates energy as the upper structure slows down and converts it into electric energy. The regenerated energy is stored in the capacitor and can be used to swing, or by the generator-motor to help the engine accelerate. Thus, the hybrid system significantly reduces fuel consumption.

Reliable and durable hybrid system components

Most components of the Hybrid system are developed and manufactured by Komatsu. The electric swing motor-generator, inverter and the capacitor feature dedicated cooling systems for maximum reliability and durability. The long life inverter and capacitor require no maintenance.

**Electric swing motor-generator**

An electric swing motor-generator is used in place of the usual hydraulic swing motor and is designed to recover energy during swing braking. Energy is sent to the capacitor for storage. The motor-generator accelerates the swing of the upper structure more efficiently than a conventional hydraulic motor and provides excellent swing performance.

**Inverter and capacitor**

The capacitor assembly includes an inverter that switches the AC electricity from the generator-motor and electric swing motor-generator into DC electricity for storage in the capacitor. Since capacitors require migration of electrons and ions for charging and discharging, they can transfer power much faster than batteries, which use chemical reactions to produce electricity.

**Generator-motor**

The generator-motor is positioned between the engine and hydraulic pumps. The generator produces electric power to charge the ultra-capacitor as needed. The motor uses electricity from the ultra-capacitor to provide power up engine assistance to the engine.
Hybrid operation monitor
The operator can check recent fuel consumption rates and the energy flow among engine and hybrid components on the machine monitor at any time.

Hybrid system temperature gauge
A hybrid system temperature gauge on the main screen helps the operator to judge the load on the hybrid system at a glance.
Maximised Efficiency

Large digging force
The two boom mode settings provide a “power” mode for a more effective excavating digging force and a “smooth” mode for gathering material and for fine grading operations. Pressing the PowerMax function button temporarily gives the HB365LC/NLC-3’s digging force a further boost.

A wide choice of options
Two optional attachment lines are available and ten attachment memory settings are simply customised. Combined with a standard-fit hydraulic quick coupler power circuit, it’s easier than ever to switch working styles. With a choice of four arms, you can configure the HB365LC/NLC-3 to match specific demands for transport, working envelope or duty.

6 working modes
The HB365LC/NLC-3 delivers the power required with the lowest fuel usage. 6 working modes are available: Power, Lifting, Breaker, Economy, Attachment Power and Attachment Economy. The operator can ideally balance the Economy mode between power and economy to match the work at hand. The oil flow delivered to hydraulic attachments is also adjustable directly on the class-leading widescreen monitor panel.
First-Class Comfort

**Increased comfort**
In the wide Komatsu SpaceCab™, a standard air-suspended high-back seat, heated for improved comfort and with fully adjustable armrests, is the centre of a comfortable and low-fatigue working environment. High visibility and ergonomic controls further assist to maximise the operator’s productivity.

**Perfect operator convenience**
In addition to the standard radio, the HB365LC/NLC-3 has an auxiliary input for connecting external devices and play music through the cab speakers. Two 12-volt power ports are also incorporated in the cab. Proportional controls are fitted as standard for safe and precise operation of attachments.

**Low-noise design**
Komatsu Hybrid crawler excavator have ultra low external and internal noise levels and are especially well-suited for work in confined spaces or urban areas. The optimal usage of sound insulation and of sound absorbing materials helps to make noise levels inside the cab comparable to those of an executive car.

Convenient, ergonomic and precise control: joysticks with proportional control button for attachments

Plenty of storage room, a hot and cool box, a magazine box and a cup holder

Armrest with simple height adjustment
Information & Communication Technology

Lower operating costs
Komatsu ICT contributes to the reduction of operating costs by assisting to comfortably and efficiently manage operations. It raises the level of customer satisfaction and the competitive edge of our products.

Widescreen monitor
Conveniently customisable and with a choice of 26 languages, the widescreen monitor with simple switches and multifunction keys gives fingertip access to a large range of functions and operating info. The rear camera view and an AdBlue® level gauge are now incorporated into the default main screen.

An evolutionary interface
Helpful information is now easier than ever to find and understand with the upgraded monitor interface. An optimal main screen for the ongoing work can be selected simply by pressing the F3 key.

Quick view on the operation logs
The rear and side camera views can be displayed together
Operator identification function
Safety First

Komatsu SpaceCab™
The ROPS cab has a tubular steel frame and provides high shock absorbency, impact resistance and durability. The seat belt is well designed to keep the operator in the safety zone of the cab in the event of a rollover. Optionally the cab can be fitted with a Falling Object Protective System (FOPS) with openable front guard.

Optimal jobsite safety
Safety features on the Komatsu HB365LC/NLC-3 comply with the latest industry standards and work in synergy to minimise risks to people in and around the machine. A neutral detection system for travel and work equipment levers increase jobsite safety, along with a seat belt caution indicator and an audible travel alarm. Highly durable anti-slip plates – with additional high friction covering – maintain long term traction performance.

Safe maintenance
Thermal guards around high temperature areas of the engine, protected fan belt and pulleys, a pump/engine partition that prevents hydraulic oil from spraying onto the engine, and exceptionally sturdy handrails: in Komatsu tradition, the highest safety level is provided for a fast and smooth maintenance.

KomVision (optional)
KomVision can display a bird’s eye view of the machine on the standard monitor by using 4 networked cameras installed on the sides and rear of the machine.

Hand rails and anti-slip plates
Exceptional operator protection
Komatsu-quality
With the latest computer techniques and a thorough test programme, Komatsu’s global know-how produces equipment to meet your highest standards. All major components of the HB365LC/NLC-3 are designed and directly manufactured by Komatsu, and essential machine functions are perfectly matched for a highly reliable and productive excavator.

Rugged design
Maximum toughness and durability are the cornerstones of Komatsu’s philosophy – along with safety and top class customer service. Single piece plates and castings are used in key areas of the machine’s structure for good load distribution. Highly durable rubbing strips on the underside of the arm protect the structure against impact damage.

5 years or 10,000 hours warranty on hybrid components
The reliability of Komatsu hybrid components is world renowned and they are covered by a free “5 years or 10,000 hours” warranty. In case of breakdown, new spare components are ready for express delivery, for the quick restart of your operations.

Extensive support network
The extensive Komatsu distribution and dealer network is standing by to help keep your fleet in optimum condition. Customised servicing packages are available, with express availability of spare parts, to make sure that your Komatsu equipment continues to perform at its peak.
**Easy Maintenance**

**Central service points**
Komatsu designed the HB365LC/NLC-3 with centralised and conveniently located service points to make necessary inspections and maintenance quick and easy.

**Komatsu CARE™**
Komatsu CARE™ is a maintenance program that comes as standard with your new Komatsu machine. It covers factory-scheduled maintenance, performed with Komatsu Genuine parts by Komatsu-trained technicians. Depending on your machine’s engine, it also offers extended coverage of the Komatsu Diesel Particulate Filter (KDPF) or the Komatsu Diesel Oxidation Catalyst (KDOC), and of the Selective Catalytic Reduction (SCR). Please contact your local Komatsu distributor for terms and conditions.

**AdBlue® tank**
For simple access, the AdBlue® tank is installed on the front stairway.

**Flexible warranty**
When you purchase Komatsu equipment, you gain access to a broad range of programmes and services that have been designed to help you get the most from your investment. For example, Komatsu’s Flexible Warranty Programme provides a range of extended warranty options on the machine and its components. These can be chosen to meet your individual needs and activities. This programme is designed to help reduce total operating costs.

**Long-life oil filters**
The Komatsu Genuine hydraulic oil filter uses high-performance filtering material for long replacement intervals, which significantly reduces maintenance costs.
The way to higher productivity
KOMTRAX uses the latest wireless monitoring technology. Compatible on PC, smartphone or tablet, it delivers insightful and cost saving information about your fleet and equipment, and offers a wealth of information to facilitate peak machine performance. By creating a tightly integrated web of support it allows proactive and preventive maintenance and helps to efficiently run a business.

Knowledge
You get quick answers to basic and critical questions about your machines – what they’re doing, when they did it, where they’re located, how they can be used more efficiently and when they need to be serviced. Performance data is relayed by wireless communication technology (Satellite, GPRS or 3G depending on model) from the machine to a computer and to the local Komatsu distributor – who’s readily available for expert analysis and feedback.

Power
The detailed information that KOMTRAX puts at your fingertips 24 hours a day, 7 days a week gives the power to make better daily and long-term strategic decisions – at no extra cost. Problems can be anticipated, maintenance schedules customised, downtime minimised and machines kept where they belong: working on the jobsite.

Convenience
KOMTRAX enables convenient fleet management on the web, wherever you are. Data is analysed and packaged specifically for effortless and intuitive viewing in maps, lists, graphs and charts. You can foresee eventual maintenance issues and required spare parts, and troubleshoot a problem before Komatsu technicians arrive on site.
Specifications

ENGINE

Model: Komatsu SAA6D114E-6
Type: Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel

<table>
<thead>
<tr>
<th>Engine power at rated engine speed</th>
<th>1,950 rpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 14396</td>
<td>202 kW/271 HP</td>
</tr>
<tr>
<td>ISO 9249 (net engine power)</td>
<td>192 kW/257 HP</td>
</tr>
<tr>
<td>No. of cylinders</td>
<td>6</td>
</tr>
<tr>
<td>Bore × stroke</td>
<td>114 × 144,5 mm</td>
</tr>
<tr>
<td>Displacement</td>
<td>8,85 l</td>
</tr>
<tr>
<td>Air filter type</td>
<td>Double element type with monitor panel dust indicator and auto dust evacuator</td>
</tr>
<tr>
<td>Cooling</td>
<td>Suction type cooling fan with radiator fly screen</td>
</tr>
<tr>
<td>Fuel</td>
<td>Diesel fuel, conforming to EN590 Class 2/Grade D. Paraffinic fuel capability (HVO, GTL, BTL), conforming to EN 15940:2016</td>
</tr>
</tbody>
</table>

HYDRAULIC SYSTEM

Type: HydraulMind. Closed-centre system with load sensing and pressure compensation valves

Additional circuits: 2 additional circuits with proportional control can be installed

Main pump: 2 variable displacement piston pumps supplying boom, arm, bucket and travel circuits

Maximum pump flow: 2 × 267,5 l/min

Relief valve settings:
- Implement: 390 kg/cm²
- Travel: 390 kg/cm²
- Pilot circuit: 33 kg/cm²

SERVICE REFILL CAPACITIES

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>605 l</td>
</tr>
<tr>
<td>Coolant engine</td>
<td>42,0 l</td>
</tr>
<tr>
<td>Coolant Hybrid</td>
<td>11,7 l</td>
</tr>
<tr>
<td>Engine oil</td>
<td>38,5 l</td>
</tr>
<tr>
<td>Swing drive</td>
<td>15,6 l</td>
</tr>
<tr>
<td>Swing motor</td>
<td>3,6 l</td>
</tr>
<tr>
<td>Generator-motor</td>
<td>8,5 l</td>
</tr>
<tr>
<td>Hydraulic tank</td>
<td>188 l</td>
</tr>
<tr>
<td>Final drive (each side)</td>
<td>9,0 l</td>
</tr>
<tr>
<td>AdBlue® tank</td>
<td>39,2 l</td>
</tr>
</tbody>
</table>

SWING SYSTEM

Type: Electric motor driving through planetary triple reduction gearbox

Swing lock: Electrically actuated wet multidisc brake integrated into swing motor

Swing speed: 0 - 9,5 rpm

Swing torque: 106 kNm

DRIVES AND BRAKES

Steering control: 2 levers with pedals giving full independent control of each track

Drive method: Hydrostatic

Travel operation: Automatic 3-speed selection

Gradeability: 70%, 35°

Max. travel speeds:
- Lo / Mi / Hi: 3,2 / 4,5 / 5,5 km/h
- Maximum drawbar pull: 29,570 kg

Brake system: Hydraulically operated discs in each travel motor

UNDERCARRIAGE

Construction: X-frame centre section with box section track frames

Track assembly:
- Type: Fully sealed
- Shoes (each side): 48
- Tension: Combined spring and hydraulic unit
- Rollers:
  - Track rollers (each side): 8
  - Carrier rollers (each side): 2

ENVIRONMENT

Engine emissions: Fully complies with EU Stage V exhaust emission regulations

Noise levels:
- LwA external: 101 dB(A) (2000/14/EC Stage II)
- LpA operator ear: 69 dB(A) (ISO 6396 dynamic test)

Vibration levels (EN 12096:1997):
- Hand/Arm: ≤ 2,5 m/s² (uncertainty K = 0,37 m/s²)
- Body: ≤ 0,5 m/s² (uncertainty K = 0,17 m/s²)

Contains fluorinated greenhouse gas HFC-134a (GWP 1430). Quantity of gas 0,8 kg, CO₂ equivalent 1,14 t

OPERATING WEIGHT (APPR.)

<table>
<thead>
<tr>
<th>Triple grouser shoes</th>
<th>HB365LC-3</th>
<th>HB365NLC-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight</td>
<td>36,400 kg</td>
<td>36,000 kg</td>
</tr>
<tr>
<td>Ground pressure</td>
<td>0,69 kg/cm²</td>
<td>0,69 kg/cm²</td>
</tr>
<tr>
<td>Operating weight</td>
<td>36,780 kg</td>
<td>36,880 kg</td>
</tr>
<tr>
<td>Ground pressure</td>
<td>0,60 kg/cm²</td>
<td>0,59 kg/cm²</td>
</tr>
<tr>
<td>800 mm</td>
<td>37,160 kg</td>
<td>37,060 kg</td>
</tr>
<tr>
<td>850 mm</td>
<td>37,350 kg</td>
<td>–</td>
</tr>
</tbody>
</table>

Operating weight, including specified work equipment, 3,2 m arm, 1.700 kg bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.
Dimensions & Performance Figures

**MACHINE DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>HB365LC-3</th>
<th>HB365NLC-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Overall width of upper structure</td>
<td>2.995 mm</td>
</tr>
<tr>
<td>B</td>
<td>Overall height of cab</td>
<td>3.165 mm</td>
</tr>
<tr>
<td>C</td>
<td>Overall length of basic machine</td>
<td>5.880 mm</td>
</tr>
<tr>
<td>D</td>
<td>Tail length</td>
<td>3.405 mm</td>
</tr>
<tr>
<td></td>
<td>Tail swing radius</td>
<td>3.445 mm</td>
</tr>
<tr>
<td>E</td>
<td>Clearance under counterweight</td>
<td>1.185 mm</td>
</tr>
<tr>
<td>F</td>
<td>Machine tail height</td>
<td>2.350 mm</td>
</tr>
<tr>
<td>F’</td>
<td>Machine tail height (top of engine cover)</td>
<td>2.920 mm</td>
</tr>
<tr>
<td>G</td>
<td>Ground clearance</td>
<td>498 mm</td>
</tr>
<tr>
<td>H</td>
<td>Tumbler centre distance</td>
<td>4.030 mm</td>
</tr>
<tr>
<td>I</td>
<td>Track length</td>
<td>4.955 mm</td>
</tr>
<tr>
<td>J</td>
<td>Track gauge</td>
<td>2.590 mm</td>
</tr>
<tr>
<td>K</td>
<td>Track shoe width</td>
<td>600, 700, 800, 850 mm</td>
</tr>
<tr>
<td>L</td>
<td>Overall track width with 600 mm shoes</td>
<td>3.190 mm</td>
</tr>
<tr>
<td></td>
<td>Overall track width with 700 mm shoes</td>
<td>3.290 mm</td>
</tr>
<tr>
<td></td>
<td>Overall track width with 800 mm shoes</td>
<td>3.390 mm</td>
</tr>
<tr>
<td></td>
<td>Overall track width with 850 mm shoes</td>
<td>3.440 mm</td>
</tr>
</tbody>
</table>

**TRANSPORT DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>MONO BOOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm length</td>
<td>2.2 m</td>
</tr>
<tr>
<td>M</td>
<td>Transport length</td>
</tr>
<tr>
<td>N</td>
<td>Length on ground (transport)</td>
</tr>
<tr>
<td>O</td>
<td>Overall height (to top of boom)</td>
</tr>
</tbody>
</table>
### HB365LC-3 / MAX. BUCKET CAPACITY AND WEIGHT

<table>
<thead>
<tr>
<th>Arm length</th>
<th>2.2 m</th>
<th>2.6 m</th>
<th>3.2 m</th>
<th>4.0 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material weight up to 1.2 t/m³</td>
<td>2.66 m³</td>
<td>1.650 kg</td>
<td>2.66 m³</td>
<td>1.650 kg</td>
</tr>
<tr>
<td>Material weight up to 1.5 t/m³</td>
<td>2.50 m³</td>
<td>1.600 kg</td>
<td>2.32 m³</td>
<td>1.525 kg</td>
</tr>
<tr>
<td>Material weight up to 1.8 t/m³</td>
<td>2.16 m³</td>
<td>1.450 kg</td>
<td>2.00 m³</td>
<td>1.375 kg</td>
</tr>
</tbody>
</table>

Max. capacity and weight have been calculated according to ISO 10567:2007. Please consult with your distributor for the correct selection of buckets and attachments to suit the application.

### HB365NLC-3 / MAX. BUCKET CAPACITY AND WEIGHT

<table>
<thead>
<tr>
<th>Arm length</th>
<th>2.2 m</th>
<th>2.6 m</th>
<th>3.2 m</th>
<th>4.0 m</th>
</tr>
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<td>2.32 m³</td>
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<tr>
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<td>1.450 kg</td>
<td>2.00 m³</td>
<td>1.375 kg</td>
</tr>
</tbody>
</table>

### BUCKET AND ARM FORCE

<table>
<thead>
<tr>
<th>Arm length</th>
<th>2.2 m</th>
<th>2.6 m</th>
<th>3.2 m</th>
<th>4.0 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket digging force</td>
<td>24.700 kg</td>
<td>24.700 kg</td>
<td>21.600 kg</td>
<td>21.600 kg</td>
</tr>
<tr>
<td>Bucket digging force at PowerMax</td>
<td>26.400 kg</td>
<td>26.400 kg</td>
<td>23.200 kg</td>
<td>23.100 kg</td>
</tr>
<tr>
<td>Arm crowd force</td>
<td>22.400 kg</td>
<td>19.100 kg</td>
<td>16.300 kg</td>
<td>13.700 kg</td>
</tr>
<tr>
<td>Arm crowd force at PowerMax</td>
<td>24.000 kg</td>
<td>20.500 kg</td>
<td>17.400 kg</td>
<td>14.700 kg</td>
</tr>
</tbody>
</table>
Working Range

### Dimensions & Performance Figures

<table>
<thead>
<tr>
<th>ARM LENGTH</th>
<th>2.2 m</th>
<th>2.6 m</th>
<th>3.2 m</th>
<th>4.0 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Max. digging height</td>
<td>9.580 mm</td>
<td>9.965 mm</td>
<td>10.210 mm</td>
<td>10.550 mm</td>
</tr>
<tr>
<td>B Max. dumping height</td>
<td>6.595 mm</td>
<td>6.895 mm</td>
<td>7.110 mm</td>
<td>7.490 mm</td>
</tr>
<tr>
<td>C Max. digging depth</td>
<td>6.355 mm</td>
<td>6.705 mm</td>
<td>7.380 mm</td>
<td>8.180 mm</td>
</tr>
<tr>
<td>D Max. vertical wall digging depth</td>
<td>5.120 mm</td>
<td>5.880 mm</td>
<td>6.480 mm</td>
<td>7.280 mm</td>
</tr>
<tr>
<td>E Max. digging depth of cut for 2.44 m level</td>
<td>6.130 mm</td>
<td>6.520 mm</td>
<td>7.180 mm</td>
<td>8.045 mm</td>
</tr>
<tr>
<td>F Max. digging reach</td>
<td>10.155 mm</td>
<td>10.550 mm</td>
<td>11.100 mm</td>
<td>11.900 mm</td>
</tr>
<tr>
<td>G Max. digging reach at ground level</td>
<td>9.950 mm</td>
<td>10.355 mm</td>
<td>10.920 mm</td>
<td>11.730 mm</td>
</tr>
<tr>
<td>H Min. swing radius</td>
<td>4.390 mm</td>
<td>4.400 mm</td>
<td>4.310 mm</td>
<td>4.320 mm</td>
</tr>
</tbody>
</table>
## Lifting Capacity

### HB365LC-3 MONO BOOM

**B** – Bucket hook height  
**C** – Lifting capacities

- **Rating over side**  
- **Rating at maximum reach**

### With 700 mm shoes

**Weights:**
- With 2.2 and 2.6 m arm: bucket linkage and bucket cylinder: 470 kg  
- With 3.2 and 4.0 m arm: bucket linkage and bucket cylinder: 435 kg

### Arm Lengths

<table>
<thead>
<tr>
<th>Arm Length</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0 m</td>
<td><em>6.960</em></td>
<td><em>6.240</em></td>
<td>7.660</td>
<td>7.640</td>
</tr>
<tr>
<td>4.5 m</td>
<td><em>7.030</em></td>
<td><em>5.570</em></td>
<td><em>6.350</em></td>
<td>7.440</td>
</tr>
<tr>
<td>3.0 m</td>
<td><em>7.310</em></td>
<td><em>5.220</em></td>
<td><em>7.680</em></td>
<td>7.180</td>
</tr>
<tr>
<td>1.5 m</td>
<td><em>7.660</em></td>
<td><em>5.080</em></td>
<td><em>8.150</em></td>
<td><em>6.340</em></td>
</tr>
<tr>
<td>0.0 m</td>
<td><em>7.830</em></td>
<td><em>5.180</em></td>
<td><em>8.050</em></td>
<td><em>5.320</em></td>
</tr>
<tr>
<td>-1.5 m</td>
<td><em>8.390</em></td>
<td><em>5.320</em></td>
<td><em>9.270</em></td>
<td>8.660</td>
</tr>
<tr>
<td>-3.0 m</td>
<td><em>8.630</em></td>
<td><em>6.270</em></td>
<td><em>9.470</em></td>
<td>6.710</td>
</tr>
<tr>
<td>-4.5 m</td>
<td><em>8.140</em></td>
<td><em>7.920</em></td>
<td><em>9.690</em></td>
<td>9.160</td>
</tr>
<tr>
<td>-6.0 m</td>
<td><em>8.940</em></td>
<td><em>8.950</em></td>
<td><em>9.720</em></td>
<td>9.690</td>
</tr>
</tbody>
</table>

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Lifting capacity stated is based on lifting with bare arm. When lifting with additional equipment installed to the arm, please subtract the weight of all additional equipment from the values stated.

### Table of Lifting Capacities

<table>
<thead>
<tr>
<th>Arm Length</th>
<th>9.0 m</th>
<th>7.5 m</th>
<th>6.0 m</th>
<th>4.5 m</th>
<th>3.0 m</th>
<th>1.5 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0 m</td>
<td><em>5.470</em></td>
<td><em>5.440</em></td>
<td><em>7.220</em></td>
<td>5.870</td>
<td><em>7.860</em></td>
<td>7.650</td>
</tr>
<tr>
<td>4.5 m</td>
<td><em>5.490</em></td>
<td><em>4.930</em></td>
<td><em>7.870</em></td>
<td>5.770</td>
<td><em>8.560</em></td>
<td>7.610</td>
</tr>
<tr>
<td>3.0 m</td>
<td><em>5.660</em></td>
<td><em>4.650</em></td>
<td><em>8.250</em></td>
<td>5.610</td>
<td><em>9.340</em></td>
<td>7.300</td>
</tr>
<tr>
<td>1.5 m</td>
<td><em>5.970</em></td>
<td><em>4.540</em></td>
<td><em>8.200</em></td>
<td>5.440</td>
<td><em>10.080</em></td>
<td>7.000</td>
</tr>
<tr>
<td>0.0 m</td>
<td><em>6.490</em></td>
<td><em>4.590</em></td>
<td><em>8.040</em></td>
<td>5.390</td>
<td><em>10.390</em></td>
<td>6.750</td>
</tr>
<tr>
<td>-3.0 m</td>
<td><em>7.960</em></td>
<td><em>5.330</em></td>
<td><em>10.130</em></td>
<td>6.560</td>
<td><em>12.870</em></td>
<td>8.780</td>
</tr>
<tr>
<td>-6.0 m</td>
<td><em>6.950</em></td>
<td><em>6.950</em></td>
<td><em>9.500</em></td>
<td>7.590</td>
<td><em>10.450</em></td>
<td><em>10.450</em></td>
</tr>
</tbody>
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### HB365NLC-3 MONO BOOM

**Lifting Capacity**

With 600 mm shoes

- B — Bucket hook height
- C — Lifting capacities

#### Weights:
- With 2.2 and 2.6 m arm: bucket linkage and bucket cylinder: 470 kg
- With 3.2 and 4.0 m arm: bucket linkage and bucket cylinder: 435 kg

#### With 600 mm shoes:

<table>
<thead>
<tr>
<th>Arm Length</th>
<th>A</th>
<th>H</th>
<th>9.0 m</th>
<th>7.5 m</th>
<th>6.0 m</th>
<th>4.5 m</th>
<th>3.0 m</th>
<th>1.5 m</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2.2 m</strong></td>
<td><img src="https://via.placeholder.com/150" alt="Diagram" /></td>
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<td><img src="https://via.placeholder.com/150" alt="Diagram" /></td>
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</tr>
<tr>
<td>6.0 m</td>
<td><img src="https://via.placeholder.com/150" alt="Diagram" /></td>
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<tr>
<td>4.5 m</td>
<td><img src="https://via.placeholder.com/150" alt="Diagram" /></td>
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<tr>
<td>3.0 m</td>
<td><img src="https://via.placeholder.com/150" alt="Diagram" /></td>
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<td><img src="https://via-placeholder.com/150" alt="Diagram" /></td>
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<tr>
<td>1.5 m</td>
<td><img src="https://via-placeholder.com/150" alt="Diagram" /></td>
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### Standard and Optional Equipment

#### ENGINE
- Komatsu SAA6D114E-6 turbocharged common rail direct injection diesel engine
- EU Stage V compliant
- Suction type cooling fan with radiator fly screen
- Automatic engine warm-up system
- Engine overheat prevention system
- Fuel control dial
- Auto-deceleration function
- Adjustable idle shutdown
- Engine key stop
- Engine ignition can be password secured on request
- Alternator 24 V/90 A
- Starter motor 24 V/11 kW
- Batteries 2 x 12 V/180 Ah

#### HYBRID SYSTEM
- Electrical swing motor energy recover system
- Capacitor and inverter
- Combined generator-motor

#### HYDRAULIC SYSTEM
- Electronic closed-centre load sensing (E-CLSS) hydraulic system (HydraulMind)
- Pump and engine mutual control (PEMC) system
- 6-working mode selection system, power mode, economy mode, breaker mode, attachment power and attachment economy mode, and lifting mode
- PowerMax function
- PPC wrist control levers for arm, boom, bucket and swing, with sliding proportional control for attachments and 3 auxiliary buttons
- Two-mode boom control
- Prepared for hydraulic quick-coupler
- Additional hydraulic functions

#### WORK EQUIPMENT
- Mono boom
- 2.2 m, 2.6 m; 3.2 m; 4.0 m arms
- Komatsu buckets
- Komatsu breakers

#### CABIN
- Reinforced safety SpaceCab™: highly pressurised and tightly sealed hyper viscous mounted cab with tinted safety glass windows, large roof window with sun shade, pull-up type front window with locking device, removable lower window, front window wiper with intermittent feature, sun roller blind, cigarette lighter, ashtray, luggage shelf, floor mat
- Heated, high-back air-suspended seat with lumbar support, console mounted height adjustable arm rests, and retractable seat belt
- Automatic climate control system
- 12/24 Volt power supplies
- Beverage holder and magazine rack
- Hot and cool box
- Radio
- Auxiliary input (MP3 jack)
- Lower wiper
- Rain visor (not with OPG)

#### SERVICE AND MAINTENANCE
- Automatic fuel line de-aeration
- Double element type air cleaner with dust indicator and auto dust evacuator
- KOMTRAX – Komatsu wireless monitoring system (3G)
- Komatsu CARE™ – a maintenance program for Komatsu customers
- Multifunction video compatible colour monitor with Equipment Management and Monitoring System (EMMS) and efficiency guidance
- Toolkit
- Service points
- Automatic greasing system

#### DRIVES AND BRAKES
- Hydrostatic, 3-speed travel system with automatic shift and planetary gear type final drives, and hydraulic travel and parking brakes
- PPC control levers and pedals for steering and travel

#### UNDERCARRIAGE
- Track roller guards
- Track frame under-guards
- 600, 700, 800, 850 mm triple grouser shoes
- Full length track roller guards

#### SAFETY EQUIPMENT
- Rear-view camera system
- Electric horn
- Overload warning device
- Audible travel alarm
- Boom safety valves
- Large handrails, rear-view mirrors
- Battery main switch
- ROPS compliant to ISO 12117-2:2008
- Emergency engine stop switch
- Seat belt caution indicator
- Neutral position detection system
- Arm safety valve
- Additional camera, right side mounted
- OPG Level II front guard (FOPS), hinged type
- OPG Level II top guard (FOPS)
- KomVision surround view system

#### LIGHTING SYSTEM
- Working lights: 2 revolving frame, 1 boom (l.h.)
- Additional working lights: 4 cab roof (front), 1 cab roof (rear), 1 boom (r.h.), 1 counterweight (rear), beacon
- LED working lights: 2 revolving frame (halogen), 2 boom (LED, 1h. & r.h.), 2 boom cylinders (LED), 4 cab roof (LED, front), 1 cab roof (halogen, rear), 2 counterweight (halogen, rear), 1 right side machine (halogen), beacon

#### OTHER EQUIPMENT
- Standard counterweight
- Remote greasing for swing circle and pins
- Electric refuelling pump with automatic shut-off function
- Biodegradable oil for hydraulic system
- Customised paint

Further equipment on request
- standard equipment
- optional equipment

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